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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/801,591	03/17/2004	Achim Breunig	Q80189	2739

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EXAMINER

WU, XIAO MIN

ART UNIT PAPER NUMBER

2629

DATE MAILED: 07/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/801,591	BREUNIG ET AL.	
	Examiner	Art Unit	
	XIAO M. WU	2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 September 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>3/17/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3, 6 and 8-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Hata et al. (US Patent No. 2002/0105527).

As to claim 1, Hata discloses a circuit configuration for triggering a flat screen display (16, Fig. 1), for displaying an image and having a backlighting (12, Fig. 1), comprising: a memory (13, Fig. 1) in which at least one first table (step 12, Fig. 3) is stored for adjusting an image display characteristic as a function of a first parameter (e.g. hue adjustment), wherein at least a further table (step 13, Fig. 3(a)) is provided for adjusting the image display characteristic as a function of a further parameter (e.g. color gain adjustment).

As to claims 2, 8, Hata discloses at least a third table (step 14, Fig. 3(a)) and a fourth table (step 14, Fig. 3(a)) are further provided for adjusting the image display characteristic as a function of at least two differing parameters (e.g. white balance adjustment and edge enhancement processing).

As to claims 3, 9, Hata discloses wherein said tables are stored as a two-dimensional field (see Fig. 5).

As to claim 6, Hata discloses A method of adjusting an image display characteristic of a

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flat screen display, comprising: storing at least two tables (e.g. hue adjustment or color gain adjustment, see Fig. 3(a)) in a memory; selecting one of said tables as a function of two parameters (e.g. each adjustment is individually performed); and correcting the image data of the flat screen display using the selected table to adjust the image display characteristic (see steps 16 and 17 as shown in Fig. (3a)).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 4-5, 7 and 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hata et al. (US Patent No. 2002/0105527) in view of Beard (US Patent No. 5,747,938).

As to claim 4, it is noted that Hata discloses a light state for controlling light intensity varying means 11 and parameter adjusting unit 13 (see [0039-0041] at page 3). However, Hata fails to disclose sensors configured to detect the brightness of the backlighting and the brightness

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of the ambient light. Beard is cited to teach a LCD display device similar to Hata. Beard further discloses an ambient light sensor (22) and a backlighting sensor (18) and a microprocessor 16 receives the signals from both sensors to adjust the drive for the display (col. 2, line 59 to col. 3, lines 15). It would have been obvious to one of ordinary skill in the art to have modified the light state control signal with the features of the both sensing signals as taught by Beard because Beard provides automatic control of the electroluminescent backlight output may be combined with an efficient power supply unit to further increase the operating efficient (col. 2, lines 1-4).

As to claims 5, 11, Hata as modified would provide a control unit configured to select at least one of the tables for adjusting the image display characteristic as a function of the output signals of said sensors.

As to claims 7, 10, Beard discloses the two parameters consist of the ambient light and the backlighting.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The US 5,384,577, 5,406,305, 6,300,931, 6,798,395, 6,841,947, 2001/0035848, 2003/0210221 and 2004/0012556 are cited to teach a display device in combination with a backlight source and sensor.


7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to XIAO M. WU whose telephone number is 571-272-7761. The examiner can normally be reached on 6:30 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RICHARD HJERPE, can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

x.w.

June 30, 2006


XIAO M. WU
Primary Examiner
Art Unit 2629